

PATENT ABSTRACTS OF JAPAN

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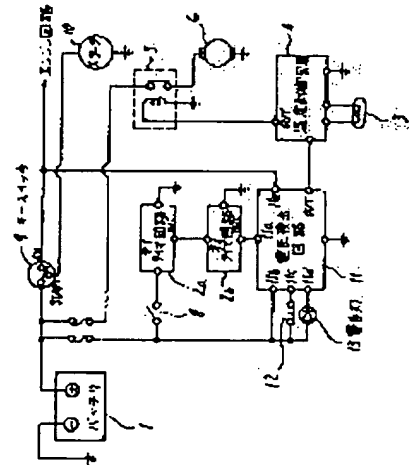
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(54) DETECTING DEVICE OF CHARGING QUANTITY LOWERING OF BATTERY ON VEHICLE

(57)Abstract:

PURPOSE: To detect effectively the lowering in charging quantity by providing the means to detect the lowering of the battery voltage of at the starters energizing time to less than the prescribed value and the detecting means of a charging quantity lowering to operate according to the voltage lowering detection by said means.

CONSTITUTION: On turning-on of a fan turn on switch (SW)8 a timer circuit 2a outputs after the prescribed time with counting a time thereafter. Simultaneously a timer circuit 2b detects the voltage to a voltage detecting circuit 11 for the second prescribed time with starting the time counting. On the other hand the voltage of the battery 1 is impressed on the circuit 11, on the circuit 11 via a reset SW12, further on the circuit 11 via an alarm display lamp 13. In case of the voltage of the battery 1 being beyond the preset voltage the voltage transmitted from the circuit 2b is inputted into a temp. control circuit 4. When the voltage of the battery 1 is lowered to less than the set voltage at the time of energizing a starter 10 with closing the starting contact of a key SW9, the circuit 11 stops the output to the circuit 4 and lights a warning lamp 13. A charging quantity lowering can thus be detected effectively.



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